

AMENDMENTSAmendments to the Specification:

Please amend paragraph

[0058] In the MAPK10 locus, these included polymorphic variants at positions in SEQ ID NO: 2 selected from the group consisting of 191, 1490, 3781, 3935, 4512, 7573, 8467, 9001, 9732, 13477, 13787, 13903, 14355, 15053, 15459, 17762, 19482, 19631, 22170, 22688, 22748, 23376, 23826, 23868, 24154, 25972, 26057, 26361, 26599, 26712, 26812, 27069, 32421, 33557, 35127, 35222, 35999, 36424, 37403, 39203, 39226, 41147, 46176, 50452, 52919, 60214, 61093, 62572, 63601, 65362, 65863, 66207, 66339, 69512, 70759, 71217, 73382, and 76307. Polymorphic variants in a region spanning positions 23826-36424, 46176-62572, 4512-8467 or 13787-14355 in SEQ ID NO: 2 in particular were associated with an increased risk of breast cancer, including polymorphic variants at positions 7573, 13903, 23826, 26057, 26361, 26599, 26812, 27069, 35127, 35222, 36424, 46176, 50452, 61093, 62572, and 70759 in SEQ ID NO: 2. At these positions in SEQ ID NO: 2, a guanine at position 7573, a guanine ~~cytosine~~ at position 13903, an adenine at position 23826, an adenine at position 26057, a thymine at position 26361, an adenine at position 26599, an adenine at position 26812, a cytosine at position 27069, an adenine at position 35127, a thymine at position 35222, a cytosine at position 36424, a cytosine at position 46176, a cytosine at position 50452, a guanine at position 61093, an adenine at position 62572, and a guanine at position 70759, in particular were associated with risk of breast cancer.